

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056528 A1

(51) International Patent Classification⁷: **B23Q 17/24**,
17/09

(21) International Application Number:
PCT/GB2003/005538

(22) International Filing Date:
18 December 2003 (18.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0229459.3 19 December 2002 (19.12.2002) GB

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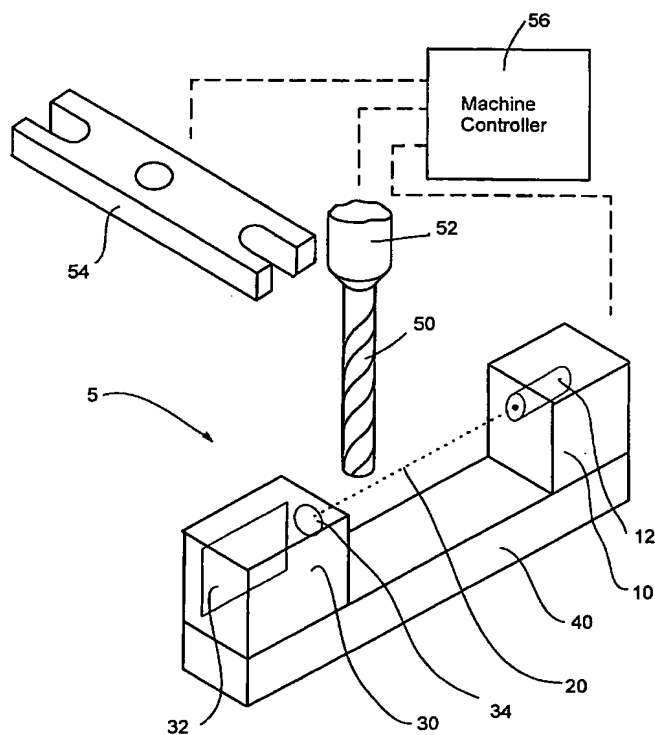
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(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(54) Title: TOOL ANALYSIS DEVICE AND METHOD



(57) Abstract: The invention relates to a de-
vice and method for analysis of a tool (50)
e.g. used on a machine tool. A tool detec-
tor (5) includes a light emitter (12) and a light
receiver (34). Tool (50) when progressed into
a beam (20) of light emitted from the emitter
(12) will cause a signal from the receiver to
change. Circuitry (32) includes a digital sig-
nal processor which processes the signal from
the receiver and produces an output only if
the signal conforms to a predetermined con-
dition. Preferably this predetermined condi-
tion could be e.g. a characteristic shape of the
signal from the receiver, a change in a value
derived from a succession of such signals or
a change in the minimum or maximum values
of a succession of signals from the receiver.

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